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(54) Title: PROCESS FOR THE PREPARATION OF A CYP11A1 INHIBITOR AND INTERMEDIATES THEREOF

(57) Abstract: The present invention relates to an improved process for the preparation of 4H-pyranone structured CYP11A1 inhibitors such as 5-((1-(methylsulfonyl)piperidin-4-yl)methoxy)-2-((5-(trifluoromethyl)isoindolin-2-yl)methyl)-4H-pyran-4-one (1A) and key intermediates thereof including 5-(trifluoromethyl)isoindoline (V) and 5-hydroxy-2-((5-(trifluoromethyl)isoindolin-2-yl)methyl)-4H-pyran-4-one (III). CYP11A1 inhibitors are useful in the treatment of hormonally regulated cancers, such as prostate cancer and breast cancer.



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